Supplementary Material
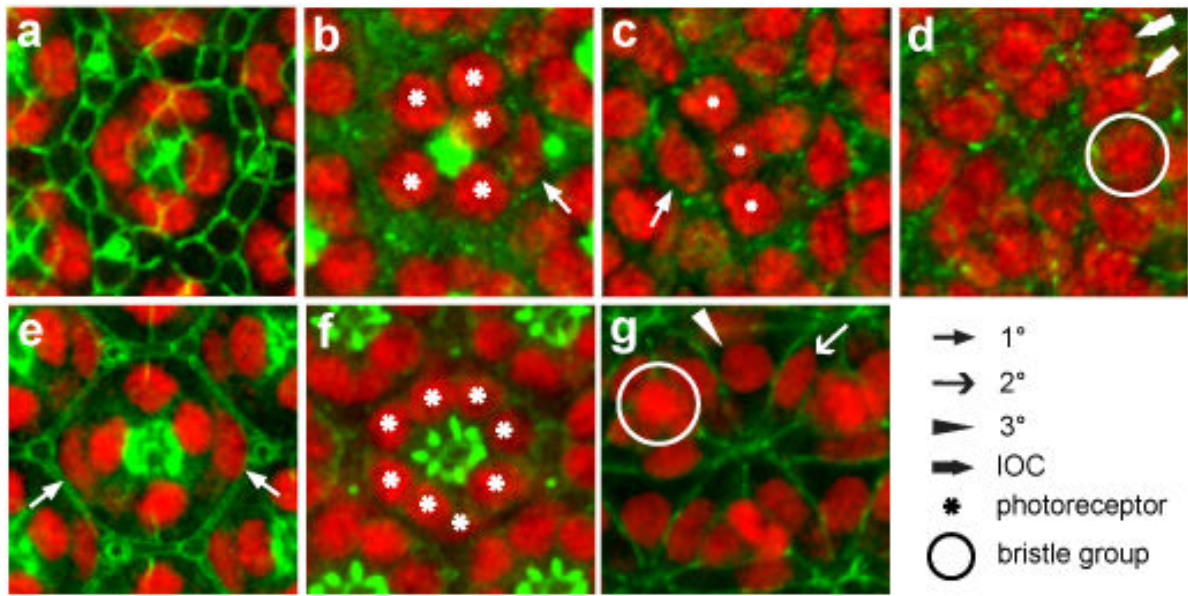
corresponding to:

Drosophila retinal pigment cell death is regulated in a position-dependent manner by a cell memory gene

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Supplementary Fig. 1. Ommatidial expression of LOLAL (red) during pupal development at 24 (a-d) and 42 hours (e-g) by immunofluorescence. Legends as in Figure 5.
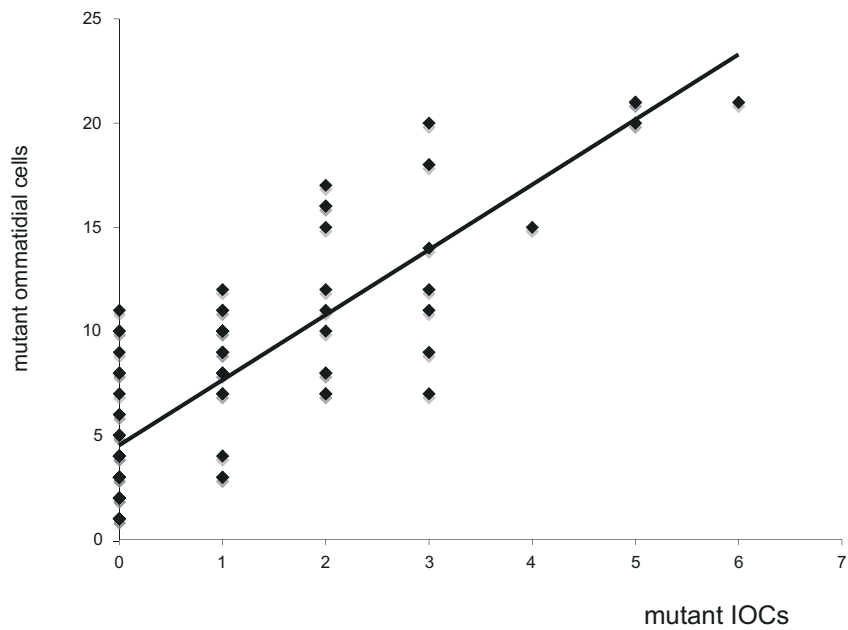
Supplementary Fig. 2. Linear correlation between the number of mutant IOCs and the total number of mutant ommatidial cells adjacent to the triskele unit. Data collected from the supplementary Table.

DATA FROM THE ANALYSIS OF 83 TRISKELES CONTAINING SUPERNUMERARY IOCS

Triskele	Supernumerary IOCs				Mutant IOCs					Mutant bristles				Mutant cones				Mutant 1°PC			
	H	D	V	Tot	H	D	V	3°PC	Tot	H	D	V	Tot	AD	AV	P	Tot	AD	AV	P	Tot
01 (a)		1		1					0				0	1			1				0
01 (b)			1	1					0				0	3			3	1			1
01 (c)		1		1					0				0	2			2				0
02 (a)		1		1					0				0		1		1				0
02 (b)		1		1					0				0		2		2				0
03 (a)	1			1	1		1		2	1			1	1	2		3	1	1	1	3
03 (b)			1	1		1			1	1	1		2	3	4	1	8		1	1	2
03 (c)		1		1		2		1	3		1	1	2	4	2	4	10	3/3	1	2	6
03 (d)			1	1					0			1	1			2	2			1	1
04 (a)			1	1	1	1	2	1	5	1	1	1	3	4	4	4	12	2	2	1	5
04 (b)	1	1		2	2	2	1	1	6	1	1	1	3	4	4	4	12	2	2	2	6
05 (a)		1	1	2		2		1	3	1			1	2/3	2/3	2	6	1	1		2
05 (b)			1	1			1		1			1	1		3	4	7			2	2
06 (a)			1	1					0		1		1	3	3		6	2	1		3
06 (b)		1		1					0				0			4	4			1	1
06 (c)		1		1			2		2			1	1		3	4	7			2	2
06 (d)		1		1		1			1	1	1		2	2	2		4	1			1
06 (e)		1		1					0				0	2			2				0
06 (f)		1		1					0				0		4		4		1		1
07 (a)	1			1					0			1	1	3		2	5	1		1	2
07 (b)			1	1					0				0		1		1				0
08 (a)		1		1	1		1		2	1			1	2	4	4	10		3/3	3/3	6
08 (b)			1	1	1		2		3	1	1		2	1	2	4	7		1	2	3
09 (a)		1		1					0				0	3/3			3				0
10 (a)		1		1	1	2	1	1	5	1	1	1	3	4	4	4	12	2	2	2	6
10 (b)	1			1	2		1		3			1	1	2	4	4	10		1	2	3
10 (c)	1			1	2	1	1	1	5	1	1	1	3	4	4	4	12	2	2	2	6
11 (a)	1			1	2		1		3	1	1		2	1	2	4	7		1	1	2
11 (b)		1		1	1	2	1	1	5	1	1	1	3	4	4	4	12	3/3	1	1	5
11 (c)			1	1	1		1		2	1	1		2	2	4	4	10	1	2	1	4
11 (d)			1	1			2		2	1	1		2	4	4	1	9	2	2		4
11 (e)			1	1			1		1			1	1		2	4	6		1	3/3	4
11 (f)		1		1		2			2				0	3	2		5	2/3			2
12 (a)		1		1		1			1	1	1		2	1			1	1			1
12 (b)			1	1				1	1				0	3	4		7	1	2		3
12 (c)		1		1			1		1				0		3	3	6		1	1	2
13 (a)			1	1					0				0			2	2				0
14 (a)		1		1		1	1		2				0	2	4		6	1	1		2
14 (b)		1		1			2		2			1	1	1	1	4	6			1	1
14 (c)		1		1					0		1		1	4	1	1	6	1			1
14 (d)		1		1		1			1		1		1	4	2		6	1	1		2
15 (a)		1		1					0				0		4		4		2		2
15 (b)		1		1					0		1		1	4			4	2			2
15 (c)			1	1					0		1		1	3	2		5	2	2/3		4
15 (d)		1		1					0		1		1	2			2	2/3			2
15 (e)			1	1	1	1	1	1	4	1		1	2	3	4	2	9	2	2		4
15 (f)		1		1		1			1		1	1	2	3	3		6		2		2
15 (g)			1	1	1		2		3	1	1		2		2	2	4			1	1
15 (h)		1		1	1	1			2	1	1		2	4	2	2	8	1	1		2
15 (i)		1		1		1			1		1		1		2		2				0
16 (a)	1			1	1				1				0	3			3				0
17 (a)		1		1					0	1	1		2	4	1		5	2			2
18 (a)		1		1					0				0			2	2			1	1
18 (b)		1		1					0				0			2	2			1	1
19 (a)			1	1					0				0			1	1				0
19 (b)			1	1			1		1	1		1	2		1	4	5			1	1
20 (a)			1	1			2		2	1		1	2		4	5/5	9		1	4/4	5
20 (b)		1		1					0			1	1		1		1		1		1
20 (c)		1		1	1	2	1	1	5	1	1	1	3	4	4	4	12	2	2	2	6
20 (d)		1		1			2		2			1	1		2	4	6		1	3/3	4
20 (f)			1	1			1		1			1	1		2	4	6			2	2
20 (g)			1	1	1		2		3	1		1	2	4	4	4	12	1	2	3/3	6
20 (i)		1		1					0				0	1	1		2		1		1
21 (a)			1	1			1		1			1	1		2	4	6			1	1
22 (a)		1		1					0				0	2			2		1		1
22 (b)		1		1		1			1		1		1	4	2		6	3/3		1	4
23 (a)			1	1					0	1	1		2	3	2		5	3/3	1		4
23 (b)		1		1					0		1		1	2	1		3				0
23 (c)			1	1					0				0	2	1		3				0
23 (d)		1		1					0			1	1		1	4	5			2	2
23 (e)		1		1		1			1				0	2	2	4	8			2/3	2
24 (a)		1		1					0		1		1	1			1				0
24 (b)		1		1					0		1		1		2		2				0
24 (c)		1		1					0				0	1	2		3	1			1
24 (d)		1		1					0				0	2			2				0
25 (a)		1	1	2					0				0			1	1				0
25 (b)			1	1					0				0		1	2	3			1	1
25 (c)	1			1	1				1	1			1		2	3	5		1	2	3
25 (d)			1	1					0			1	1			2	2			1	1
25 (e)		1		1		1			1				0		4		4	2	1		3
25 (f)		1		1					0		1		1	3			3				0
26 (a)		1		1					0				0	3	1	1	4	1	1		2
26 (b)			1	1					0				0	1			1				0

Genotype and cell number in 83 triskeles containing extra IOCs (T5s) sampled from 24 $Trl^{81.1}$ mosaic retinae. Location and number of each cell type was determined. For 1°s and cones the total number of cells is given in red when it differs from wild type. Legends as in Figure 2a.